

The Director of Central Intelligence
Washington, D.C. 20505

2 August 1984

National Intelligence Council

MEMORANDUM FOR: Washington Area Imagery Transmission Working Group

FROM: Christopher B. Hearn
WAIT Evaluation Team Co-Chairman

SUBJECT: Report on the Fleet Imagery Support Terminal (FIST) System

1. On 23-24 July representatives of the WAIT Working Group traveled to FICEURLANT, Norfolk to examine and evaluate the Fleet Imagery Support Terminal (FIST) System.

2. In the context of the requirements of the Working Group the FIST system capabilities allow:

- o Digitization of all imagery, positive/negative films, charts, graphs, maps
- o Imagery enhancement and annotation
- o Special formatting (collage) and various resolutions
- o Further digital data manipulation at the receiver site
- o Digital long term storage on floppy discs
- o Operators to digitize to resolutions in excess of that on the film, accounting for very little loss in resolution from the film product
- o 8 Bit gray level digitization to detect contrast changes on the film not observable to the human eye
- o Minimal training requirements, simple operation
- o Minimal space requirements: 23" x 30" x 55"
- o Tempest tested

3. The main system problem is not the transmission of products but the reproduction capabilities at the receiver site. The digital storage capability enhances the system but when the digital image is reproduced as hard copy there is a significant loss of the quality image. The image is of lesser quality than our present Laserfax system.

4. the manufacturer of FIST, should be asked to demonstrate an upgraded compatible hard copy production system.

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